ABSTRACT OF THE DISCLOSURE

Recombinant protein C characterized by a high percentage of active protein can be obtained in the milk of transgenic ~~animals~~ non-human mammals that incorporate DNAs according to the present invention. Transgenic ~~animals~~ non-human mammals of the present invention are produced by introducing into developing embryos DNA that encodes protein C, such that the DNA is stably incorporated in the DNA of germ line cells of the mature ~~animal~~ non-human mammal and inherited in normal, mendelian fashion. Particularly efficient expression was accomplished using a long whey acidic protein promoter and genomic protein C.

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ABSTRACT OF THE DISCLOSURE

Heterologous polypeptides are produced in the milk of transgenic non-human mammals by the expression of a stably integrated DNA sequence containing the long whey acidic protein promoter operably linked to a DNA sequence encoding a heterologous polypeptide and a signal sequence. The transgenic non-human mammals of the present invention are produced by introducing this DNA sequence such that the DNA sequence is stably integrated into the DNA of germ line cells of the mature mammal and inherited in normal Mendelian fashion. A representative heterologous polypeptide is protein C.